Surface Science 200 (1988) 546–550
North-Holland, Amsterdam

AUTHOR INDEX

Adamowicz, B. and S. Kochowski, The contribution of surface effects to the surface photovoltage dependence on temperature for the real Si(111) surface 200 (1988) 172
Altsinger, R., H. Busch, M. Horn and M. Henzler, Nucleation and growth during molecular beam epitaxy (MBE) of Si on Si(111) 200 (1988) 235
Astaldi, C. and K. Jacobi, Photoemission from xenon clusters on barium 200 (1988) 15
Auleytner, J., Bremsstrahlung isochromat spectroscopy in the study of surfaces 200 (1988) 504

Barnaś, J., Bulk and surface magnetostatic modes in superlattices 200 (1988) 446
Barwiński, B., Influence of the dielectric overcoat on the low frequency noise in discontinuous metal films 200 (1988) 403
Bauer, E., see Telieps 200 (1988) 512
Benesh, G.A., see Inglesfield 200 (1988) 135
Bensalah, S., see Orlowski 200 (1988) L460
Biegański, P., see Dobierzewska-Mozrzymas 200 (1988) 417
Błaszczyszyn, R. and M. Błaszczyszynowa, Diffusion of nickel on the (110) region of a tungsten field emitter 200 (1988) 354
Błaszczyszynowa, M., see Błaszczyszyn 200 (1988) 354
Błażej, M., E. Dobierzewska-Mozrzymas and J. Peisert, Conduction model including some fundamental conduction mechanisms for a discontinuous metal film on a dielectric substrate 200 (1988) 408
Bodó, Z., see Gergely 200 (1988) 527
Bose, S.M., see Davison 200 (1988) 265
Bovin, J.-O., see Malm 200 (1988) 67
Bukaluk, A., M. Rozwadowski and R. Siuda, Preliminary results on Cu diffusion through grain boundaries of thin ion-plated Ag–Sn films 200 (1988) 381
Busch, H., see Altsinger 200 (1988) 235

Cháb, V., see Prince 200 (1988) L451
Chakarov, D.V., see Marinova 200 (1988) 309
Chidsey, C.E.D., D.N. Loiacono, T. Sleator and S. Nakahara, STM study of the surface morphology of gold on mica 200 (1988) 45
Comelli, G. and J. Stöhr, SEXAFS studies of C–C bond lengths in condensed and chemisorbed molecules 200 (1988) 35
Croce, P., see Gergely 200 (1988) 527

Dalidchik, F.I. and N.N. Kolchenko, Resonance field emission for ordered and disordered adsorption of atoms 200 (1988) 536

Surface Science 200 (1988) 546–550
North-Holland, Amsterdam

AUTHOR INDEX

Adamowicz, B. and S. Kochowski, The contribution of surface effects to the surface photovoltage dependence on temperature for the real Si(111) surface 200 (1988) 172
Altsinger, R., H. Busch, M. Horn and M. Henzler, Nucleation and growth during molecular beam epitaxy (MBE) of Si on Si(111) 200 (1988) 235
Astaldi, C. and K. Jacobi, Photoemission from xenon clusters on barium 200 (1988) 15
Auleytner, J., Bremsstrahlung isochromat spectroscopy in the study of surfaces 200 (1988) 504

Barnaś, J., Bulk and surface magnetostatic modes in superlattices 200 (1988) 446
Barwiński, B., Influence of the dielectric overcoat on the low frequency noise in discontinuous metal films 200 (1988) 403
Bauer, E., see Telieps 200 (1988) 512
Benesh, G.A., see Inglesfield 200 (1988) 135
Bensalah, S., see Orlowski 200 (1988) L460
Biegański, P., see Dobierzewska-Mozrzymas 200 (1988) 417
Błaszczyszyn, R. and M. Błaszczyszynowa, Diffusion of nickel on the (110) region of a tungsten field emitter 200 (1988) 354
Błaszczyszynowa, M., see Błaszczyszyn 200 (1988) 354
Błażej, M., E. Dobierzewska-Mozrzymas and J. Peisert, Conduction model including some fundamental conduction mechanisms for a discontinuous metal film on a dielectric substrate 200 (1988) 408
Bodó, Z., see Gergely 200 (1988) 527
Bose, S.M., see Davison 200 (1988) 265
Bovin, J.-O., see Malm 200 (1988) 67
Bukaluk, A., M. Rozwadowski and R. Siuda, Preliminary results on Cu diffusion through grain boundaries of thin ion-plated Ag–Sn films 200 (1988) 381
Busch, H., see Altsinger 200 (1988) 235

Cháb, V., see Prince 200 (1988) L451
Chakarov, D.V., see Marinova 200 (1988) 309
Chidsey, C.E.D., D.N. Loiacono, T. Sleator and S. Nakahara, STM study of the surface morphology of gold on mica 200 (1988) 45
Comelli, G. and J. Stöhr, SEXAFS studies of C–C bond lengths in condensed and chemisorbed molecules 200 (1988) 35
Croce, P., see Gergely 200 (1988) 527

Dalidchik, F.I. and N.N. Kolchenko, Resonance field emission for ordered and disordered adsorption of atoms 200 (1988) 536

Davison, S.G., S.M. Bose and K.W. Sulston, Chemisorption on supported-metal catalysts 200 (1988) 265
Dittmar-Wituski, A., see Naparty 200 (1988) 519
Dobierzewska-Mozrzymas, E., see Błażej 200 (1988) 408
Dobierzewska-Mozrzymas, E. and P. Biegański, Electrical properties of aluminium island films near the percolation threshold 200 (1988) 417
Dobrzynski, L., Interface response theory of composite systems 200 (1988) 435
Doliński, W., S. Mróz and M. Zagórski, Determination of the inelastic mean free path of electrons in silver and copper by measurement and calculation of the elastic scattering coefficient 200 (1988) 361
Donnerberg, H., see Klekamp 200 (1988) L465
Dow, J.D., see Sánchez-Dehesa 200 (1988) 424
Dückers, K., see Prince 200 (1988) L451

Eckertová, L., Recent development in the appearance potential spectroscopy 200 (1988) 490
Eckertová, L., T. Jeníček and J. Pavluch, On the information depth of Auger electron appearance potential spectroscopy 200 (1988) 514
Ernst, N., Field enhanced adsorption 200 (1988) 275

Feldman, L.C., see Zinke-Allmang 200 (1988) L427
Feng, D.L., see Tsong 200 (1988) 220
Flietner, H., Spectrum and nature of defects at interfaces of semiconductors with predominant homopolar bonding 200 (1988) 463
Flores, F., see Sánchez-Dehesa 200 (1988) 424

Gao, Q.J., see Tsong 200 (1988) 220
García-Moliner, F., Theory of single and multiple interfaces 200 (1988) 444
Gergely, G., Z. Bodó and P. Croce, Determination of the optical constants of metals and semiconductors by combining ellipsometry with electron spectroscopy microscopy and X-ray specular reflection analysis 200 (1988) 527
Givargizov, E.I., see Zverkov 200 (1988) 540
Gładyszewski, L., Thermoemission of Eu^+ ions and its fluctuations 200 (1988) 386
Godowski, P., Surface composition of $Co_{79}Ru_{21}$ alloy contaminated with phosphorus measured by AES 200 (1988) 260
Grabow, M.H., see Zinke-Allmang 200 (1988) L427
Guyot-Sionnest, P., see Superfine 200 (1988) L445

Heiland, W., see Klekamp 200 (1988) L465
Henrich, V.E., see Lad 200 (1988) L473
Henzler, M., see Altsinger 200 (1988) 235
Horn, K., see Prince 200 (1988) L451
Horn, M., see Altsinger 200 (1988) 235
Hunt, J.H., see Superfine 200 (1988) L445

Inglesfield, J.E. and G.A. Benesh, Bulk and surface states on Al(001) 200 (1988) 135
Iwanov, D., Surface morphology and growth kinetics of zinc single crystals as influenced by vapour diffusion 200 (1988) 252

Jacobi, K., see Astaldi 200 (1988) 15
Jaskółka, S., see Radoń 200 (1988) 199
Jeníček, T., see Eckertová 200 (1988) 514
Jurczyszyn, L., see Stęślicka 200 (1988) 209

Kalla, R. and J. Pollmann, Bond-angle relaxation and electronic structure of Si and Ge overlayers on (110) surfaces of III-V semiconductors 200 (1988) 80
Kao, C.T., see Superfine 200 (1988) L445
Kaski, K., see Lampinen 200 (1988) 101
Kisiel, W., B. Stankiewicz and M. Stęślicka, Interface electronic structure of alkali halide contacts 200 (1988) 457
Kleint, Ch., Electron emission noise 200 (1988) 472
Klekamp, A., H. Donnerberg, W. Heiland and K.J. Snowdon, Electron bombardment induced desorption of oxygen from $LiNbO_3$ 200 (1988) L465
Kochowski, S., see Adamowicz 200 (1988) 172
Kołaczkiewicz, J., Measurement of work function changes as a research method for structural phase transitions in adsorbate islands: Cu/Mo(011) 200 (1988) 335
Kolchenko, N.N., see Dalidchik 200 (1988) 536
Korneta, W. and Z. Pytel, The local autocorrelation time near the surface of a system with uniaxial anisotropy in a transverse field 200 (1988) 368
Korneta, W. and Z. Pytel, Random walk near the surface 200 (1988) 374
Kreuzer, H.J. and S.H. Payne, Desorption from a two-phase adsorbate: zero or fractional order 200 (1988) L433
Kuźmiński, S. and A.T. Szaynok, Surface photovoltage investigations of $Cd_{1-x}Mn_xTe$ for $x = 0.01$ and 0.10 200 (1988) 192

Lacharme, J.P., see Orlowski 200 (1988) L460
Lad, R.J. and V.E. Henrich, Reply to "Comment on 'Structure of α-Fe_2O_3 single crystal surfaces following Ar^+ ion bombardment and annealing in O_2' " by E. Paparazzo 200 (1988) L473
Łajtar, L., A. Patrykiejew and S. Sokołowski, The influence of atomic impurities on the orientational transitions in localized monolayer films of diatomic molecules adsorbed on crystalline surfaces 200 (1988) 287
Łajtar, L., A. Patrykiejew and S. Sokołowski, Evaluation of the phase diagram for nitrogen adsorbed on graphite by means of the density functional theory 200 (1988) 298
Lampinen, J., R.M. Nieminen and K. Kaski, Molecular dynamics simulation of the structure and melting transition of the Si(001) surface 200 (1988) 101
Liou, Y., see Tsong 200 (1988) 220
Liu, H.M., see Tsong 200 (1988) 220
Loiacono, D.N., see Chidsey 200 (1988) 45
Lucchese, R.R., see NoorBatcha 200 (1988) 113

Maciejewski, W., Localized states in thin films with internal disturbed sublayer 200 (1988) 164
Malm, J.-O. and J.-O. Bovin, Real time imaging of moving atom columns on surfaces of gold crystals 200 (1988) 67
Marinova, Ts.S., see Stefanov 200 (1988) 26
Marinova, Ts.S. and D.V. Chakarov, Hydrogen isotope exchange in a coverage obtained on Ir(111) by ethylene adsorption 200 (1988) 309
Mazur, P., Potential barrier at the NaCl–Si(111) interface 200 (1988) 454
Mileshkina, N.V. and E.A. Semykina, Numerical computation of potential profiles and energy spectrum in the space charge region of semiconductors at high electric field 200 (1988) 179
Militzer, M. and J. Wieting, Segregation kinetics and surface phase transitions 200 (1988) 342
Mróz, S., see Doliński 200 (1988) 361

Nakahara, S., see Chidsey 200 (1988) 45
Naparty, M., A. Dittmar-Wituski and J. Skonieczny, Are EELS and TCS methods complementary? 200 (1988) 519
Naumovets, A.G., V.V. Poplavsky and Yu.S. Vedula, Diffusion and phase transitions in barium monolayers on the (011) plane of tungsten 200 (1988) 321
Nieminen, R.M., see Lampinen 200 (1988) 101
NoorBatcha, I., R.R. Lucchese and Y. Zeiri, Anisotropic translational energy distribution due to gas-phase collisions in rapid desorption of molecules from surfaces 200 (1988) 113

Obolenskaya, L.N., see Zverkov 200 (1988) 540
Orlowski, B.A., J.P. Lacharme, S. Bensalah and C.A. Sebenne, Electronic properties of cleaved CdTe(110) surfaces 200 (1988) L460
Orlowski, B.A., Electronic surface states investigated by means of photoemission spectroscopy 200 (1988) 144
Ortega, J., see Sánchez-Dehesa 200 (1988) 424

Paparazzo, E., Comment on 'Structure of α-Fe_2O_3 single crystal surfaces following Ar^+ ion bombardment and annealing in O_2' by R.J. Lad and V.E. Henrich 200 (1988) L470
Pater, K., Silicon work function in Al–SiO_2–Si system 200 (1988) 187
Patrykiejew, A., see Łajtar 200 (1988) 287
Patrykiejew, A., see Łajtar 200 (1988) 298
Pavluch, J., see Eckertová 200 (1988) 514
Payne, S.H., see Kreuzer 200 (1988) L433
Peisert, J., see Błażej 200 (1988) 408
Pollmann, J., see Kalla 200 (1988) 80
Poplavsky, V.V., see Naumovets 200 (1988) 321
Prince, K.C., K. Dückers, K. Horn and V. Cháb, Orientation of molecular oxygen on Pt(110) 200 (1988) L451
Pytel, Z., see Korneta 200 (1988) 368
Pytel, Z., see Korneta 200 (1988) 374

Radoń, T. and S. Jaskółka, Photofield emission spectroscopy of electronic states near the Fermi level of ⟨111⟩ tungsten 200 (1988) 199
Rozwadowski, M., see Bukaluk 200 (1988) 381

Sánchez-Dehesa, J., F. Flores, J. Ortega and J.D. Dow, Schottky barrier formation in defect-free metal/III–V semiconductor junctions 200 (1988) 424
Sebenne, C.A., see Orlowski 200 (1988) L460
Semykina, E.A., see Mileshkina 200 (1988) 179
Sendecki, S., Photoemission measurements of KCl on Ag(110); adsorption parameters 200 (1988) 280
Shen, Y.R., see Superfine 200 (1988) L445
Siuda, R., see Bukaluk 200 (1988) 381
Skonieczny, J., see Naparty 200 (1988) 519
Sleator, T., see Chidsey 200 (1988) 45

Snowdon, K.J., see Klekamp 200 (1988) L465
Sokołowski, S., see Łajtar 200 (1988) 287
Sokołowski, S., see Łajtar 200 (1988) 298
Somorjai, G.A., see Tysoe 200 (1988) 1
Stankiewicz, B., see Kisiel 200 (1988) 457
Stefanov, P.K. and Ts.S. Marinova, HREELS study of the interaction of oxygen with a Mo(111) surface 200 (1988) 26
Stepanova, A.N., see Zverkov 200 (1988) 540
Stęślicka, M., M. Zagórski and L. Jurczyszyn, Theoretical investigation of image states of hydrogen covered Cu(100) 200 (1988) 209
Stęślicka, M., see Kisiel 200 (1988) 457
Stöhr, J., see Comelli 200 (1988) 35
Sulston, K.W., see Davison 200 (1988) 265
Superfine, R., P. Guyot-Sionnest, J.H. Hunt, C.T. Kao and Y.R. Shen, Surface vibrational spectroscopy of molecular adsorbates on metals and semiconductors by infrared–visible sum-frequency generation 200 (1988) L445
Szaynok, A.T., see Kuźmiński 200 (1988) 192
Szuber, J., Electronic properties of the polar GaAs(111)As surface 200 (1988) 157

Telieps, W. and E. Bauer, Low energy electron microscopy of surfaces 200 (1988) 512
Tsong, T.T., H.M. Liu, Q.J. Gao, Y. Liou and D.L. Feng, Atomic structures of silicon and metal surfaces; pulsed-laser TOF atom-probe and field ion microscopy 200 (1988) 220
Tysoe, W.T., F. Zaera and G.A. Somorjai, An XPS study of the oxidation and reduction of the rhenium–platinum system under atmospheric conditions 200 (1988) 1

Underhill, P.R., An investigation of the anomalous surface phonon softening on noble metal ⟨111⟩ surfaces using the embedded atom method 200 (1988) L441
Urbaniak-Kucharczyk, A., Calculation of the scanning tunneling microscope image in the case of Cu(100) 200 (1988) 247

Vedula, Yu.S., see Naumovets 200 (1988) 321

Warkusz, F., Electron scattering at the grain boundaries and at the external surfaces in polycrystalline metal films 200 (1988) 394
Wieting, J., see Militzer 200 (1988) 342

Zaera, F., see Tysoe 200 (1988) 1
Zagórski, M., see Stęślicka 200 (1988) 209
Zagórski, M., see Doliński 200 (1988) 361
Zeiri, Y., see NoorBatcha 200 (1988) 113
Zinke-Allmang, M., L.C. Feldman and M.H. Grabow, Thin film morphology: equilibrium between clusters and uniform layers at non-zero temperatures 200 (1988) L427
Zverkov, V.V., A.N. Stepanova, L.N. Obolenskaya and E.I. Givargizov, Field ion microscopy of semiconductor compounds with imaging gas mixtures 200 (1988) 540

Surface Science 200 (1988) 551–563
North-Holland, Amsterdam

SUBJECT INDEX

Alkali halides

I. NoorBatcha, R.R. Lucchese and Y. Zeiri, Anisotropic translational energy distribution due to gas-phase collisions in rapid desorption of molecules from surfaces 200 (1988) 113
S. Sendecki, Photoemission measurements of KCl on Ag(110); adsorption parameters 200 (1988) 280
B. Barwiński, Influence of the dielectric overcoat on the low frequency noise in discontinuous metal films 200 (1988) 403
E. Dobierzewska-Mozrzymas and P. Biegański, Electrical properties of aluminium island films near the percolation threshold 200 (1988) 417
P. Mazur, Potential barrier at the NaCl–Si(111) interface 200 (1988) 454
W. Kisiel, B. Stankiewicz and M. Stęślicka, Interface electronic structure of alkali halide contacts 200 (1988) 457

Alloys

W.T. Tysoe, F. Zaera and G.A. Somorjai, An XPS study of the oxidation and reduction of the rhenium–platinum system under atmospheric conditions 200 (1988) 1
T.T. Tsong, H.M. Liu, Q.J. Gao, Y. Liou and D.L. Feng, Atomic structures of silicon and metal surfaces; pulsed-laser TOF atom-probe and field ion microscopy 200 (1988) 220
P. Godowski, Surface composition of $Co_{79}Ru_{21}$ alloy contaminated with phosphorus measured by AES 200 (1988) 260
M. Militzer and J. Wieting, Segregation kinetics and surface phase transitions 200 (1988) 342

Aluminium

R. Superfine, P. Guyot-Sionnest, J.H. Hunt, C.T. Kao and Y.R. Shen, Surface vibrational spectroscopy of molecular adsorbates on metals and semiconductors by infrared–visible sum-frequency generation 200 (1988) L445
J.E. Inglesfield and G.A. Benesh, Bulk and surface states on Al(001) 200 (1988) 135
J. Szuber, Electronic properties of the polar GaAs(111)As surface 200 (1988) 157
E. Dobierzewska-Mozrzymas and P. Biegański, Electrical properties of aluminium island films near the percolation threshold 200 (1988) 417
G. Gergely, Z. Bodó and P. Croce, Determination of the optical constants of metals and semiconductors by combining ellipsometry with electron spectroscopy microscopy and X-ray specular reflection analysis 200 (1988) 527

Appearance potential spectroscopy

L. Eckertová, Recent development in the appearance potential spectroscopy 200 (1988) 490

Auger electron spectroscopy

J. Szuber, Electronic properties of the polar GaAs(111)As surface 200 (1988) 157
P. Godowski, Surface composition of $Co_{79}Ru_{21}$ alloy contaminated with phosphorus measured by AES 200 (1988) 260
L. Eckertová, T. Jeníček and J. Pavluch, On the information depth of Auger electron appearance potential spectroscopy 200 (1988) 514

Band structure

R. Kalla and J. Pollmann, Bond-angle relaxation and electronic structure of Si and Ge overlayers on (110) surfaces of III-V semiconductors 200 (1988) 80
B.A. Orlowski, Electronic surface states investigated by means of photoemission spectroscopy 200 (1988) 144

Barium

C. Astaldi and K. Jacobi, Photoemission from xenon clusters on barium 200 (1988) 15
A.G. Naumovets, V.V. Poplavsky and Yu.S. Vedula, Diffusion and phase transitions in barium monolayers on the (011) plane of tungsten 200 (1988) 321

Benzene

G. Comelli and J. Stöhr, SEXAFS studies of C–C bond lengths in condensed and chemisorbed molecules 200 (1988) 35

Cadmium telluride

B.A. Orlowski, J.P. Lacharme, S. Bensalah and C.A. Sebenne, Electronic properties of cleaved CdTe(110) surfaces 200 (1988) L460
S. Kuźmiński and A.T. Szaynok, Surface photovoltage investigations of $Cd_{1-x}Mn_xTe$ for $x = 0.01$ and 0.10 200 (1988) 192
M. Naparty, A. Dittmar-Wituski and J. Skonieczny, Are EELS and TCS methods complementary? 200 (1988) 519

Catalysis

S.G. Davison, S.M. Bose and K.W. Sulston, Chemisorption on supported-metal catalysts 200 (1988) 265

Chemisorption theory

S.G. Davison, S.M. Bose and K.W. Sulston, Chemisorption on supported-metal catalysts 200 (1988) 265

Chromium

L. Eckertová, T. Jeníček and J. Pavluch, On the information depth of Auger electron appearance potential spectroscopy 200 (1988) 514

Clusters

M. Zinke-Allmang, L.C. Feldman and M.H. Grabow, Thin film morphology: equilibrium between clusters and uniform layers at non-zero temperatures 200 (1988) L427

Conductivity

F. Warkusz, Electron scattering at the grain boundaries and at the external surfaces in polycrystalline metal films 200 (1988) 394
B. Barwiński, Influence of the dielectric overcoat on the low frequency noise in discontinuous metal films 200 (1988) 403
M. Błażej, E. Dobierzewska-Mozrzymas and J. Peisert, Conduction model including some fundamental conduction mechanisms for a discontinuous metal film on a dielectric substrate 200 (1988) 408
E. Dobierzewska-Mozrzymas and P. Biegański, Electrical properties of aluminium island films near the percolation threshold 200 (1988) 417

Copper

G. Comelli and J. Stöhr, SEXAFS studies of C–C bond lengths in condensed and chemisorbed molecules 200 (1988) 35
M. Stęślicka, M. Zagórski and L. Jurczyszyn, Theoretical investigation of image states of hydrogen covered Cu(100) 200 (1988) 209
A. Urbaniak-Kucharczyk, Calculation of the scanning tunneling microscope image in the case of Cu(100) 200 (1988) 247
J. Kołaczkiewicz, Measurement of work function changes as a research method for structural phase transitions in adsorbate islands: Cu/Mo(011) 200 (1988) 335
W. Doliński, S. Mróz and M. Zagórski, Determination of the inelastic mean free path of electrons in silver and copper by measurement and calculation of the elastic scattering coefficient 200 (1988) 361
A. Bukaluk, M. Rozwadowski and R. Siuda, Preliminary results on Cu diffusion through grain boundaries of thin ion-plated Ag–Sn films 200 (1988) 381

Diffusion

W. Korneta and Z. Pytel, Random walk near the surface 200 (1988) 374
A. Bukaluk, M. Rozwadowski and R. Siuda, Preliminary results on Cu diffusion through grain boundaries of thin ion-plated Ag–Sn films 200 (1988) 381

Electron emission

Ch. Kleint, Electron emission noise 200 (1988) 472

Electron loss spectroscopy

P.K. Stefanov and Ts.S. Marinova, HREELS study of the interaction of oxygen with a Mo(111) surface 200 (1988) 26
Ts.S. Marinova and D.V. Chakarov, Hydrogen isotope exchange in a coverage obtained on Ir(111) by ethylene adsorption 200 (1988) 309
M. Naparty, A. Dittmar-Wituski and J. Skonieczny, Are EELS and TCS methods complementary? 200 (1988) 519

Electron microscopy

J.-O. Malm and J.-O. Bovin, Real time imaging of moving atom columns on surfaces of gold crystals 200 (1988) 67
W. Telieps and E. Bauer, Low energy electron microscopy of surfaces 200 (1988) 512

Electron scattering

W. Doliński, S. Mróz and M. Zagórski, Determination of the inelastic mean free path of electrons in silver and copper by measurement and calculation of the elastic scattering coefficient 200 (1988) 361

Electron stimulated desorption

A. Klekamp, H. Donnerberg, W. Heiland and K.J. Snowdon, Electron bombardment induced desorption of oxygen from $LiNbO_3$ 200 (1988) L465

Ellipsometry

G. Gergely, Z. Bodó and P. Croce, Determination of the optical constants of metals and semiconductors by combining ellipsometry with electron spectroscopy microscopy and X-ray specular reflection analysis 200 (1988) 527

Epitaxy

R. Altsinger, H. Busch, M. Horn and M. Henzler, Nucleation and growth during molecular beam epitaxy (MBE) of Si on Si(111) 200 (1988) 235

Ethylene

Ts.S. Marinova and D.V. Chakarov, Hydrogen isotope exchange in a coverage obtained on Ir(111) by ethylene adsorption 200 (1988) 309

Field emission, see also Field emission microscopy, Field ion microscopy

T. Radoń and S. Jaskółka, Photofield emission spectroscopy of electronic states near the Fermi level of ⟨111⟩ tungsten 200 (1988) 199
R. Błaszczyszyn and M. Błaszczyszynowa, Diffusion of nickel on the (110) region of a tungsten field emitter 200 (1988) 354
Ch. Kleint, Electron emission noise 200 (1988) 472
F.I. Dalidchik and N.N. Kolchenko, Resonance field emission for ordered and disordered adsorption of atoms 200 (1988) 536

Field emission microscopy, see also Field emission

N. Ernst, Field enhanced adsorption 200 (1988) 275

Field ion microscopy, see also Field emission

T.T. Tsong, H.M. Liu, Q.J. Gao, Y. Liou and D.L. Feng, Atomic structures of silicon and metal surfaces; pulsed-laser TOF atom-probe and field ion microscopy 200 (1988) 220

V.V. Zverkov, A.N. Stepanova, L.N. Obolenskaya and E.I. Givargizov, Field ion microscopy of semiconductor compounds with imaging gas mixtures 200 (1988) 540

Gallium antimonide

R. Kalla and J. Pollmann, Bond-angle relaxation and electronic structure of Si and Ge overlayers on (110) surfaces of III-V semiconductors 200 (1988) 80
J. Sánchez-Dehesa, F. Flores, J. Ortega and J.D. Dow, Schottky barrier formation in defect-free metal/III–V semiconductor junctions 200 (1988) 424

Gallium arsenide

R. Kalla and J. Pollmann, Bond-angle relaxation and electronic structure of Si and Ge overlayers on (110) surfaces of III-V semiconductors 200 (1988) 80
J. Szuber, Electronic properties of the polar GaAs(111)As surface 200 (1988) 157
H. Flietner, Spectrum and nature of defects at interfaces of semiconductors with predominant homopolar bonding 200 (1988) 463
V.V. Zverkov, A.N. Stepanova, L.N. Obolenskaya and E.I. Givargizov, Field ion microscopy of semiconductor compounds with imaging gas mixtures 200 (1988) 540

Gallium phosphide

R. Kalla and J. Pollmann, Bond-angle relaxation and electronic structure of Si and Ge overlayers on (110) surfaces of III-V semiconductors 200 (1988) 80

Germanium

R. Kalla and J. Pollmann, Bond-angle relaxation and electronic structure of Si and Ge overlayers on (110) surfaces of III-V semiconductors 200 (1988) 80

Gold

C.E.D. Chidsey, D.N. Loiacono, T. Sleator and S. Nakahara, STM study of the surface morphology of gold on mica 200 (1988) 45
J.-O. Malm and J.-O. Bovin, Real time imaging of moving atom columns on surfaces of gold crystals 200 (1988) 67

Grain boundary

A. Bukaluk, M. Rozwadowski and R. Siuda, Preliminary results on Cu diffusion through grain boundaries of thin ion-plated Ag–Sn films 200 (1988) 381
F. Warkusz, Electron scattering at the grain boundaries and at the external surfaces in polycrystalline metal films 200 (1988) 394

Graphite

L. Łajtar, A. Patrykiejew and S. Sokołowski, Evaluation of the phase diagram for nitrogen adsorbed on graphite by means of the density functional theory 200 (1988) 298

Hydrogen

M. Stęślicka, M. Zagórski and L. Jurczyszyn, Theoretical investigation of image states of hydrogen covered Cu(100) 200 (1988) 209
Ts.S. Marinova and D.V. Chakarov, Hydrogen isotope exchange in a coverage obtained on Ir(111) by ethylene adsorption 200 (1988) 309

Indium antimonide

V.V. Zverkov, A.N. Stepanova, L.N. Obolenskaya and E.I. Givargizov, Field ion microscopy of semiconductor compounds with imaging gas mixtures 200 (1988) 540

Indium phosphide

J. Sánchez-Dehesa, F. Flores, J. Ortega and J.D. Dow, Schottky barrier formation in defect-free metal/III–V semiconductor junctions 200 (1988) 424

Iridium

T.T. Tsong, H.M. Liu, Q.J. Gao, Y. Liou and D.L. Feng, Atomic structures of silicon and metal surfaces; pulsed-laser TOF atom-probe and field ion microscopy 200 (1988) 220

Iron oxide

E. Paparazzo, Comment on 'Structure of α-Fe_2O_3 single crystal surfaces following Ar^+ ion bombardment and annealing in O_2' by R.J. Lad and V.E. Henrich 200 (1988) L470
R.J. Lad and V.E. Henrich, Reply to "Comment on 'Structure of α-Fe_2O_3 single crystal surfaces following Ar^+ ion bombardment and annealing in O_2' " by E. Paparazzo 200 (1988) L473

Lanthanides

L. Gładyszewski, Thermoemission of Eu^+ ions and its fluctuations 200 (1988) 386

Low energy electron diffraction

R. Altsinger, H. Busch, M. Horn and M. Henzler, Nucleation and growth during molecular beam epitaxy (MBE) of Si on Si(111) 200 (1988) 235
W. Telieps and E. Bauer, Low energy electron microscopy of surfaces 200 (1988) 512

Magnetic structure

J. Barnaś, Bulk and surface magnetostatic modes in superlattices 200 (1988) 446

Manganese

S. Kuźmiński and A.T. Szaynok, Surface photovoltage investigations of $Cd_{1-x}Mn_xTe$ for $x = 0.01$ and 0.10 200 (1988) 192

Mica

C.E.D. Chidsey, D.N. Loiacono, T. Sleator and S. Nakahara, STM study of the surface morphology of gold on mica 200 (1988) 45

Molybdenum

P.K. Stefanov and Ts.S. Marinova, HREELS study of the interaction of oxygen with a Mo(111) surface 200 (1988) 26

J. Kołaczkiewicz, Measurement of work function changes as a research method for structural phase transitions in adsorbate islands: Cu/Mo(011) 200 (1988) 335

Nickel

S.G. Davison, S.M. Bose and K.W. Sulston, Chemisorption on supported-metal catalysts 200 (1988) 265

R. Błaszczyszyn and M. Błaszczyszynowa, Diffusion of nickel on the (110) region of a tungsten field emitter 200 (1988) 354

J. Auleytner, Bremsstrahlung isochromat spectroscopy in the study of surfaces 200 (1988) 504

Nitric oxide

I. NoorBatcha, R.R. Lucchese and Y. Zeiri, Anisotropic translational energy distribution due to gas-phase collisions in rapid desorption of molecules from surfaces 200 (1988) 113

Nitrogen

L. Łajtar, A. Patrykiejew and S. Sokołowski, Evaluation of the phase diagram for nitrogen adsorbed on graphite by means of the density functional theory 200 (1988) 298

Noble gases

C. Astaldi and K. Jacobi, Photoemission from xenon clusters on barium 200 (1988) 15

N. Ernst, Field enhanced adsorption 200 (1988) 275

Nucleation

R. Altsinger, H. Busch, M. Horn and M. Henzler, Nucleation and growth during molecular beam epitaxy (MBE) of Si on Si(111) 200 (1988) 235

Organic substances

R. Superfine, P. Guyot-Sionnest, J.H. Hunt, C.T. Kao and Y.R. Shen, Surface vibrational spectroscopy of molecular adsorbates on metals and semiconductors by infrared–visible sum-frequency generation 200 (1988) L445

G. Comelli and J. Stöhr, SEXAFS studies of C–C bond lengths in condensed and chemisorbed molecules 200 (1988) 35

Oxygen

K.C. Prince, K. Dückers, K. Horn and V. Cháb, Orientation of molecular oxygen on Pt(110) 200 (1988) L451
A. Klekamp, H. Donnerberg, W. Heiland and K.J. Snowdon, Electron bombardment induced desorption of oxygen from $LiNbO_3$ 200 (1988) L465
W.T. Tysoe, F. Zaera and G.A. Somorjai, An XPS study of the oxidation and reduction of the rhenium–platinum system under atmospheric conditions 200 (1988) 1
P.K. Stefanov and Ts.S. Marinova, HREELS study of the interaction of oxygen with a Mo(111) surface 200 (1988) 26

Palladium

T.T. Tsong, H.M. Liu, Q.J. Gao, Y. Liou and D.L. Feng, Atomic structures of silicon and metal surfaces; pulsed-laser TOF atom-probe and field ion microscopy 200 (1988) 220
J. Auleytner, Bremsstrahlung isochromat spectroscopy in the study of surfaces 200 (1988) 504

Phosphorus

P. Godowski, Surface composition of $Co_{79}Ru_{21}$ alloy contaminated with phosphorus measured by AES 200 (1988) 260

Photoconductivity

K. Pater, Silicon work function in Al–SiO_2–Si system 200 (1988) 187

Photoelectron spectroscopy

K.C. Prince, K. Dückers, K. Horn and V. Cháb, Orientation of molecular oxygen on Pt(110) 200 (1988) L451
B.A. Orlowski, J.P. Lacharme, S. Bensalah and C.A. Sebenne, Electronic properties of cleaved CdTe(110) surfaces 200 (1988) L460
W.T. Tysoe, F. Zaera and G.A. Somorjai, An XPS study of the oxidation and reduction of the rhenium–platinum system under atmospheric conditions 200 (1988) 1
C. Astaldi and K. Jacobi, Photoemission from xenon clusters on barium 200 (1988) 15
B.A. Orlowski, Electronic surface states investigated by means of photoemission spectroscopy 200 (1988) 144
J. Szuber, Electronic properties of the polar GaAs(111)As surface 200 (1988) 157
P. Mazur, Potential barrier at the NaCl–Si(111) interface 200 (1988) 454

Photon emission

J. Auleytner, Bremsstrahlung isochromat spectroscopy in the study of surfaces 200 (1988) 504

Platinum

K.C. Prince, K. Dückers, K. Horn and V. Cháb, Orientation of molecular oxygen on Pt(110) 200 (1988) L451
W.T. Tysoe, F. Zaera and G.A. Somorjai, An XPS study of the oxidation and reduction of the rhenium–platinum system under atmospheric conditions 200 (1988) 1

T.T. Tsong, H.M. Liu, Q.J. Gao, Y. Liou and D.L. Feng, Atomic structures of silicon and metal surfaces; pulsed-laser TOF atom-probe and field ion microscopy 200 (1988) 220

Rhenium

W.T. Tysoe, F. Zaera and G.A. Somorjai, An XPS study of the oxidation and reduction of the rhenium–platinum system under atmospheric conditions 200 (1988) 1

Rhodium

R. Superfine, P. Guyot-Sionnest, J.H. Hunt, C.T. Kao and Y.R. Shen, Surface vibrational spectroscopy of molecular adsorbates on metals and semiconductors by infrared–visible sum-frequency generation 200 (1988) L445
T.T. Tsong, H.M. Liu, Q.J. Gao, Y. Liou and D.L. Feng, Atomic structures of silicon and metal surfaces; pulsed-laser TOF atom-probe and field ion microscopy 200 (1988) 220

Secondary ion mass spectroscopy

Ts.S. Marinova and D.V. Chakarov, Hydrogen isotope exchange in a coverage obtained on Ir(111) by ethylene adsorption 200 (1988) 309

Semiconductors

N.V. Mileshkina and E.A. Semykina, Numerical computation of potential profiles and energy spectrum in the space charge region of semiconductors at high electric field 200 (1988) 179
H. Flietner, Spectrum and nature of defects at interfaces of semiconductors with predominant homopolar bonding 200 (1988) 463

Silicon

R. Superfine, P. Guyot-Sionnest, J.H. Hunt, C.T. Kao and Y.R. Shen, Surface vibrational spectroscopy of molecular adsorbates on metals and semiconductors by infrared–visible sum-frequency generation 200 (1988) L445
R. Kalla and J. Pollmann, Bond-angle relaxation and electronic structure of Si and Ge overlayers on (110) surfaces of III-V semiconductors 200 (1988) 80
J. Lampinen, R.M. Nieminen and K. Kaski, Molecular dynamics simulation of the structure and melting transition of the Si(001) surface 200 (1988) 101
B. Adamowicz and S. Kochowski, The contribution of surface effects to the surface photovoltage dependence on temperature for the real Si(111) surface 200 (1988) 172
K. Pater, Silicon work function in Al–SiO_2–Si system 200 (1988) 187
T.T. Tsong, H.M. Liu, Q.J. Gao, Y. Liou and D.L. Feng, Atomic structures of silicon and metal surfaces; pulsed-laser TOF atom-probe and field ion microscopy 200 (1988) 220
R. Altsinger, H. Busch, M. Horn and M. Henzler, Nucleation and growth during molecular beam epitaxy (MBE) of Si on Si(111) 200 (1988) 235
P. Mazur, Potential barrier at the NaCl–Si(111) interface 200 (1988) 454

H. Flietner, Spectrum and nature of defects at interfaces of semiconductors with predominant homopolar bonding 200 (1988) 463

Silicon dioxide

H. Flietner, Spectrum and nature of defects at interfaces of semiconductors with predominant homopolar bonding 200 (1988) 463

Silver

S. Sendecki, Photoemission measurements of KCl on Ag(110); adsorption parameters 200 (1988) 280
W. Doliński, S. Mróz and M. Zagórski, Determination of the inelastic mean free path of electrons in silver and copper by measurement and calculation of the elastic scattering coefficient 200 (1988) 361
B. Barwiński, Influence of the dielectric overcoat on the low frequency noise in discontinuous metal films 200 (1988) 403
J. Sánchez-Dehesa, F. Flores, J. Ortega and J.D. Dow, Schottky barrier formation in defect-free metal/III–V semiconductor junctions 200 (1988) 424

Surface composition

P. Godowski, Surface composition of $Co_{79}Ru_{21}$ alloy contaminated with phosphorus measured by AES 200 (1988) 260

Surface diffusion

J.-O. Malm and J.-O. Bovin, Real time imaging of moving atom columns on surfaces of gold crystals 200 (1988) 67
A.G. Naumovets, V.V. Poplavsky and Yu.S. Vedula, Diffusion and phase transitions in barium monolayers on the (011) plane of tungsten 200 (1988) 321
R. Błaszczyszyn and M. Błaszczyszynowa, Diffusion of nickel on the (110) region of a tungsten field emitter 200 (1988) 354
W. Korneta and Z. Pytel, Random walk near the surface 200 (1988) 374

Surface melting

J. Lampinen, R.M. Nieminen and K. Kaski, Molecular dynamics simulation of the structure and melting transition of the Si(001) surface 200 (1988) 101

Surface morphology

D. Iwanov, Surface morphology and growth kinetics of zinc single crystals as influenced by vapour diffusion 200 (1988) 252

Surface phonons

P.R. Underhill, An investigation of the anomalous surface phonon softening on noble metal ⟨111⟩ surfaces using the embedded atom method 200 (1988) L441

Surface photovoltage

B. Adamowicz and S. Kochowski, The contribution of surface effects to the surface photovoltage dependence on temperature for the real Si(111) surface 200 (1988) 172
S. Kuźmiński and A.T. Szaynok, Surface photovoltage investigations of $Cd_{1-x}Mn_xTe$ for $x = 0.01$ and 0.10 200 (1988) 192

Surface plasmons

L. Dobrzynski, Interface response theory of composite systems 200 (1988) 435

Surface roughness

G. Gergely, Z. Bodó and P. Croce, Determination of the optical constants of metals and semiconductors by combining ellipsometry with electron spectroscopy microscopy and X-ray specular reflection analysis 200 (1988) 527

Surface segregation

M. Militzer and J. Wieting, Segregation kinetics and surface phase transitions 200 (1988) 342

Surface states

J.E. Inglesfield and G.A. Benesh, Bulk and surface states on Al(001) 200 (1988) 135
B.A. Orlowski, Electronic surface states investigated by means of photoemission spectroscopy 200 (1988) 144
W. Maciejewski, Localized states in thin films with internal disturbed sublayer 200 (1988) 164
T. Radoń and S. Jaskółka, Photofield emission spectroscopy of electronic states near the Fermi level of ⟨111⟩ tungsten 200 (1988) 199
F. García-Moliner, Theory of single and multiple interfaces 200 (1988) 444
W. Kisiel, B. Stankiewicz and M. Stęślicka, Interface electronic structure of alkali halide contacts 200 (1988) 457
H. Flietner, Spectrum and nature of defects at interfaces of semiconductors with predominant homopolar bonding 200 (1988) 463

Surface structure, see also Low energy electron diffraction

K.C. Prince, K. Dückers, K. Horn and V. Cháb, Orientation of molecular oxygen on Pt(110) 200 (1988) L451

Surface thermodynamics

H.J. Kreuzer and S.H. Payne, Desorption from a two-phase adsorbate: zero or fractional order 200 (1988) L433
J. Lampinen, R.M. Nieminen and K. Kaski, Molecular dynamics simulation of the structure and melting transition of the Si(001) surface 200 (1988) 101
L. Łajtar, A. Patrykiejew and S. Sokołowski, The influence of atomic impurities on the orientational transitions in localized monolayer films of diatomic molecules adsorbed on crystalline surfaces 200 (1988) 287

L. Łajtar, A. Patrykiejew and S. Sokołowski, Evaluation of the phase diagram for nitrogen adsorbed on graphite by means of the density functional theory 200 (1988) 298
A.G. Naumovets, V.V. Poplavsky and Yu.S. Vedula, Diffusion and phase transitions in barium monolayers on the (011) plane of tungsten 200 (1988) 321
J. Kołaczkiewicz, Measurement of work function changes as a research method for structural phase transitions in adsorbate islands: Cu/Mo(011) 200 (1988) 335
M. Militzer and J. Wieting, Segregation kinetics and surface phase transitions 200 (1988) 342
W. Korneta and Z. Pytel, The local autocorrelation time near the surface of a system with uniaxial anisotropy in a transverse field 200 (1988) 368

Thermal desorption

H.J. Kreuzer and S.H. Payne, Desorption from a two-phase adsorbate: zero or fractional order 200 (1988) L433
I. NoorBatcha, R.R. Lucchese and Y. Zeiri, Anisotropic translational energy distribution due to gas-phase collisions in rapid desorption of molecules from surfaces 200 (1988) 113

Thin films

M. Zinke-Allmang, L.C. Feldman and M.H. Grabow, Thin film morphology: equilibrium between clusters and uniform layers at non-zero temperatures 200 (1988) L427
A. Bukaluk, M. Rozwadowski and R. Siuda, Preliminary results on Cu diffusion through grain boundaries of thin ion-plated Ag–Sn films 200 (1988) 381

Tin

M. Naparty, A. Dittmar-Wituski and J. Skonieczny, Are EELS and TCS methods complementary? 200 (1988) 519

Titanium

L. Eckertová, T. Jeníček and J. Pavluch, On the information depth of Auger electron appearance potential spectroscopy 200 (1988) 514

Titanium carbide

Ts.S. Marinova and D.V. Chakarov, Hydrogen isotope exchange in a coverage obtained on Ir(111) by ethylene adsorption 200 (1988) 309

Tungsten

T. Radoń and S. Jaskółka, Photofield emission spectroscopy of electronic states near the Fermi level of ⟨111⟩ tungsten 200 (1988) 199
N. Ernst, Field enhanced adsorption 200 (1988) 275
A.G. Naumovets, V.V. Poplavsky and Yu.S. Vedula, Diffusion and phase transitions in barium monolayers on the (011) plane of tungsten 200 (1988) 321
R. Błaszczyszyn and M. Błaszczyszynowa, Diffusion of nickel on the (110) region of a tungsten field emitter 200 (1988) 354
L. Gładyszewski, Thermoemission of Eu^+ ions and its fluctuations 200 (1988) 386

Tunneling

C.E.D. Chidsey, D.N. Loiacono, T. Sleator and S. Nakahara, STM study of the surface morphology of gold on mica 200 (1988) 45
A. Urbaniak-Kucharczyk, Calculation of the scanning tunneling microscope image in the case of Cu(100) 200 (1988) 247

Work function

K. Pater, Silicon work function in Al–SiO_2–Si system 200 (1988) 187
S. Sendecki, Photoemission measurements of KCl on Ag(110); adsorption parameters 200 (1988) 280
J. Kołaczkiewicz, Measurement of work function changes as a research method for structural phase transitions in adsorbate islands: Cu/Mo(011) 200 (1988) 335

X-ray absorption

G. Comelli and J. Stöhr, SEXAFS studies of C–C bond lengths in condensed and chemisorbed molecules 200 (1988) 35

Zinc

D. Iwanov, Surface morphology and growth kinetics of zinc single crystals as influenced by vapour diffusion 200 (1988) 252